Sven Ingebrandt

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2588613/publications.pdf

Version: 2024-02-01

141	4,383	87843	128225
papers	citations	38 h-index	60 g-index

146	146	146	4641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Labelfree fully electronic nucleic acid detection system based on a field-effect transistor device. Biosensors and Bioelectronics, 2004, 19, 1723-1731.	5.3	245
2	Possibilities and limitations of label-free detection of DNA hybridization with field-effect-based devices. Sensors and Actuators B: Chemical, 2005, 111-112, 470-480.	4.0	238
3	Membrane on a Chip: A Functional Tethered Lipid Bilayer Membrane on Silicon Oxide Surfaces. Biophysical Journal, 2005, 89, 1780-1788.	0.2	170
4	Surface activation of thin silicon oxides by wet cleaning and silanization. Thin Solid Films, 2006, 510, 175-180.	0.8	124
5	Luminescent metal-organic frameworks and their composites: Potential future materials for organic light emitting displays. Coordination Chemistry Reviews, 2019, 401, 213077.	9.5	122
6	Recording of cell action potentials with AlGaNâˆ•GaN field-effect transistors. Applied Physics Letters, 2005, 86, 033901.	1.5	112
7	Label-free detection of single nucleotide polymorphisms utilizing the differential transfer function of field-effect transistors. Biosensors and Bioelectronics, 2007, 22, 2834-2840.	5.3	111
8	Cardiomyocyte-transistor-hybrids for sensor application. Biosensors and Bioelectronics, 2001, 16, 565-570.	5.3	100
9	Biologically sensitive field-effect transistors: from ISFETs to NanoFETs. Essays in Biochemistry, 2016, 60, 81-90.	2.1	96
10	Field-effect devices for detecting cellular signals. Seminars in Cell and Developmental Biology, 2009, 20, 41-48.	2.3	94
11	PEDOT:PSSâ€Based Bioelectronic Devices for Recording and Modulation of Electrophysiological and Biochemical Cell Signals. Advanced Healthcare Materials, 2021, 10, e2100061.	3.9	92
12	Label-Free Ultrasensitive Memristive Aptasensor. Nano Letters, 2016, 16, 4472-4476.	4.5	87
13	Diamond Transistor Array for Extracellular Recording From Electrogenic Cells. Advanced Functional Materials, 2009, 19, 2915-2923.	7.8	86
14	Fabrication and application of silicon nanowire transistor arrays for biomolecular detection. Sensors and Actuators B: Chemical, 2010, 144, 354-360.	4.0	86
15	Transmission electron microscopy study of the cellâ€“sensor interface. Journal of the Royal Society Interface, 2008, 5, 213-222.	1.5	72
16	Field-effect sensors with charged macromolecules: Characterisation by capacitanceâ€“voltage, constant-capacitance, impedance spectroscopy and atomic-force microscopy methods. Biosensors and Bioelectronics, 2007, 22, 2100-2107.	5.3	68
17	Labelâ€free electrical detection of DNA by means of fieldâ€effect nanoplate capacitors: Experiments and modeling. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 925-934.	0.8	64
18	Cell-Transistor Coupling: Investigation of Potassium Currents Recorded with p- and n-Channel FETs. Biophysical Journal, 2005, 89, 3628-3638.	0.2	63

#	Article	IF	Citations
19	Action potentials of HL-1 cells recorded with silicon nanowire transistors. Applied Physics Letters, 2009, 95, .	1.5	63
20	Thermal detection of histamine with a graphene oxide based molecularly imprinted polymer platform prepared by reversible additionâ€“fragmentation chain transfer polymerization. Sensors and Actuators B: Chemical, 2014, 203, 527-535.	4.0	59
21	Topâ€down processed silicon nanowire transistor arrays for biosensing. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 426-434.	0.8	58
22	Field-effect sensors for monitoring the layer-by-layer adsorption of charged macromolecules. Sensors and Actuators B: Chemical, 2006, 118, 163-170.	4.0	57
23	Label-free detection of charged macromolecules by using a field-effect-based sensor platform: Experiments and possible mechanisms of signal generation. Applied Physics A: Materials Science and Processing, 2007, 87, 517-524.	1.1	56
24	PEDOT:PSS organic electrochemical transistor arrays for extracellular electrophysiological sensing of cardiac cells. Biosensors and Bioelectronics, 2017, 93, 132-138.	5.3	56
25	Impedimetric Detection of Histamine in Bowel Fluids Using Synthetic Receptors with pH-Optimized Binding Characteristics. Analytical Chemistry, 2013, 85, 1475-1483.	3.2	54
26	Validation of the use of field effect transistors for extracellular signal recording in pharmacological bioassays. Journal of Pharmacological and Toxicological Methods, 2001, 45, 207-214.	0.3	52
27	Neuron?transistor coupling: interpretation of individual extracellular recorded signals. European Biophysics Journal, 2005, 34, 144-154.	1.2	52
28	Aligned microcontact printing of biomolecules on microelectronic device surfaces. IEEE Transactions on Biomedical Engineering, 2001, 48, 838-842.	2.5	48
29	64-Channel extended gate electrode arrays for extracellular signal recording. Electrochimica Acta, 2003, 48, 3355-3362.	2.6	48
30	N-Channel field-effect transistors with floating gates for extracellular recordings. Biosensors and Bioelectronics, 2006, 21, 1037-1044.	5.3	48
31	Time-dependent observation of individual cellular binding events to field-effect transistors. Biosensors and Bioelectronics, 2009, 24, 1201-1208.	5.3	48
32	Label-free detection of DNA using field-effect transistors. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 3399-3411.	0.8	45
33	Reduced graphene oxide biosensor platform for the detection of NT-proBNP biomarker in its clinical range. Biosensors and Bioelectronics, 2019, 126, 136-142.	5.3	43
34	Detection of DNA hybridization by a field-effect transistor with covalently attached catcher molecules. Surface and Interface Analysis, 2006, 38, 176-181.	0.8	42
35	Silane Deposition via Gas-Phase Evaporation and High-Resolution Surface Characterization of the Ultrathin Siloxane Coatings. Langmuir, 2018, 34, 10217-10229.	1.6	42
36	Tuning Channel Architecture of Interdigitated Organic Electrochemical Transistors for Recording the Action Potentials of Electrogenic Cells. Advanced Functional Materials, 2019, 29, 1902085.	7.8	42

#	Article	IF	Citations
37	Electrical cell-substrate impedance sensing with field-effect transistors is able to unravel cellular adhesion and detachment processes on a single cell level. Lab on A Chip, 2015, 15, 668-679.	3.1	41
38	Impedance spectroscopy with field-effect transistor arrays for the analysis of anti-cancer drug action on individual cells. Biosensors and Bioelectronics, 2013, 40, 50-56.	5.3	40
39	Backside contacted field effect transistor array for extracellular signal recording. Biosensors and Bioelectronics, 2003, 18, 429-435.	5.3	39
40	Iridium oxide microelectrode arrays for in-vitro stimulation of individual rat neurons from dissociated cultures. Frontiers in Neuroengineering, 2009, 2, 16.	4.8	39
41	Extended gate electrode arrays for extracellular signal recordings. Sensors and Actuators B: Chemical, 2000, 70, 101-107.	4.0	37
42	Fabrication and application of a microfluidicâ€embedded silicon nanowire biosensor chip. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 850-857.	0.8	37
43	Considering the spinâ€“orbit coupling effect on the photocatalytic performance of AlN/MX₂ nanocomposites. Journal of Materials Chemistry C, 2017, 5, 9412-9420.	2.7	36
44	Rapid assessment of the stability of DNA duplexes by impedimetric real-time monitoring of chemically induced denaturation. Lab on A Chip, 2011, 11, 1656.	3.1	35
45	Drug profiling using planar microelectrode arrays. Analytical and Bioanalytical Chemistry, 2007, 387, 2673-2680.	1.9	33
46	Adsorption of Gas Molecules on Grapheneâ€Like ZnO Nanosheets: The Roles of Gas Concentration, Layer Number, and Heterolayer. Advanced Materials Interfaces, 2017, 4, 1700647.	1.9	33
47	Light induced stimulation and delay of cardiac activity. Lab on A Chip, 2010, 10, 2588.	3.1	32
48	Solution of the Poisson-Nernst-Planck equations in the cell-substrate interface. European Physical Journal E, 2007, 24, 1-8.	0.7	31
49	High-precision drop shape analysis (HPDSA) of quasistatic contact angles on silanized silicon wafers with different surface topographies during inclining-plate measurements: Influence of the surface roughness on the contact line dynamics. Applied Surface Science, 2015, 342, 11-25.	3.1	31
50	Top-Down Fabricated Silicon Nanowire Arrays for Field-Effect Detection of Prostate-Specific Antigen. ACS Omega, 2018, 3, 8471-8482.	1.6	31
51	On the Use of Scalable NanoISFET Arrays of Silicon with Highly Reproducible Sensor Performance for Biosensor Applications. ACS Omega, 2016, 1, 84-92.	1.6	30
52	Incubator-independent cell-culture perfusion platform for continuous long-term microelectrode array electrophysiology and time-lapse imaging. Royal Society Open Science, 2015, 2, 150031.	1.1	29
53	Intriguing electronic insensitivity and high carrier mobility in monolayer hexagonal YN. Journal of Materials Chemistry C, 2018, 6, 4943-4951.	2.7	28
54	Novel postâ€process for the passivation of a CMOS biosensor. Physica Status Solidi - Rapid Research Letters, 2008, 2, 4-6.	1.2	27

#	Article	IF	Citations
55	The use of microelectrode array (MEA) to study the protective effects of potassium channel openers on metabolically compromised HL-1 cardiomyocytes. Physiological Measurement, 2009, 30, 155-167.	1.2	26
56	An array of field-effect nanoplate SOI capacitors for (bio-)chemical sensing. Biosensors and Bioelectronics, 2011, 26, 3023-3028.	5.3	26
57	Neurodegeneration through oxidative stress: Monitoring hydrogen peroxide induced apoptosis in primary cells from the subventricular zone of BALB/c mice using field-effect transistors. Biosensors and Bioelectronics, 2015, 67, 490-496.	5.3	24
58	PEDOT:PSS organic electrochemical transistors for electrical cell-substrate impedance sensing down to single cells. Biosensors and Bioelectronics, 2021, 180, 113101.	5.3	23
59	Sensing beyond the limit. Nature Nanotechnology, 2015, 10, 734-735.	15.6	22
60	Human T cells monitored by impedance spectrometry using field-effect transistor arrays: A novel tool for single-cell adhesion and migration studies. Biosensors and Bioelectronics, 2015, 67, 170-176.	5.3	22
61	Impedimetric immunosensor for the detection of histamine based on reduced graphene oxide. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1327-1334.	0.8	21
62	Customized impedance spectroscopy device as possible sensor platform for biosensor applications. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 919-923.	0.8	20
63	ScFv-modified graphene-coated IDE-arrays for â€˜label-freeâ€™ screening of cardiovascular disease biomarkers in physiological saline. Biosensors and Bioelectronics, 2018, 102, 574-581.	5.3	20
64	Process Variability in Top-Down Fabrication of Silicon Nanowire-Based Biosensor Arrays. Sensors, 2021, 21, 5153.	2.1	20
65	Advanced CMOS process for floating gate field-effect transistors in bioelectronic applications. Sensors and Actuators B: Chemical, 2007, 128, 208-217.	4.0	19
66	Monitoring nanoparticle induced cell death in H441 cells using field-effect transistors. Biosensors and Bioelectronics, 2013, 40, 89-95.	5.3	19
67	Statistical approach for contact angle determination on inclining surfaces: â€œslow-movingâ€•analyses of non-axisymmetric drops on a flat silanized silicon wafer. International Journal of Adhesion and Adhesives, 2014, 55, 123-131.	1.4	19
68	Point-of-care-ready nanoscale ISFET arrays for sub-picomolar detection of cytokines in cell cultures. Analytical and Bioanalytical Chemistry, 2020, 412, 6777-6788.	1.9	19
69	Sensitive impedimetric detection of troponin I with metalâ€“organic framework composite electrode. RSC Advances, 2021, 11, 2167-2174.	1.7	19
70	Direct measurement of oxygen reduction reactions at neurostimulation electrodes. Journal of Neural Engineering, 2022, 19, 036045.	1.8	19
71	Membrane allocation profiling: A method to characterize three-dimensional cell shape and attachment based on surface reconstruction. Biomaterials, 2008, 29, 3927-3935.	5.7	18
72	Impedimetric detection of covalently attached biomolecules on fieldâ€effect transistors. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 417-425.	0.8	18

#	Article	IF	Citations
73	Single cell recordings with pairs of complementary transistors. Applied Physics Letters, 2006, 89, 013901.	1.5	17
74	Top-Down Processed SOI Nanowire Devices for Biomedical Applications. ECS Transactions, 2011, 35, 3-15.	0.3	17
75	Delineating charge and capacitance transduction in system-integrated graphene-based BioFETs used as aptasensors for malaria detection. Biosensors and Bioelectronics, 2022, 208, 114219.	5.3	17
76	To establish a pharmacological experimental platform for the study of cardiac hypoxia using the microelectrode array. Journal of Pharmacological and Toxicological Methods, 2009, 59, 146-152.	0.3	16
77	Frontâ€Endâ€ofâ€Line Integration of Graphene Oxide for Grapheneâ€Based Electrical Platforms. Advanced Materials Technologies, 2018, 3, 1700318.	3.0	16
78	Influence of the first amplifier stage in MEA systems on extracellular signal shapes. Biosensors and Bioelectronics, 2007, 22, 1092-1096.	5.3	15
79	Reduced graphene-oxide transducers for biosensing applications beyond the Debye-screening limit. Biosensors and Bioelectronics, 2019, 130, 352-359.	5.3	15
80	Contactless, Battery-free, and Stretchable Wearable for Continuous Recording of Seismocardiograms. ACS Applied Electronic Materials, 2021, 3, 11-20.	2.0	15
81	Scalable fabrication and application of nanoscale IDE-arrays as multi-electrode platform for label-free biosensing. Sensors and Actuators B: Chemical, 2018, 265, 115-125.	4.0	14
82	Impedimetric Sensing of DNA with Silicon Nanowire Transistors as Alternative Transducer Principle. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700740.	0.8	14
83	Photothermal effects induced by surface plasmon resonance at graphene/gold nanointerfaces: A multiscale modeling study. Biosensors and Bioelectronics, 2019, 126, 470-477.	5.3	14
84	Statistical contact angle analyses: â€˜slow movingâ€™ drops on inclining flat mono-aminopropylsiloxane surfaces. Journal of Adhesion Science and Technology, 2015, 29, 1796-1806.	1.4	13
85	DNA detection with topâ€“down fabricated silicon nanowire transistor arrays in linear operation regime. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 1510-1519.	0.8	13
86	Extracellular recording of glycine receptor chloride channel activity as a prototype for biohybrid sensors. Biosensors and Bioelectronics, 2010, 26, 155-161.	5.3	12
87	<scp>PSPICE</scp> model for silicon nanowire fieldâ€effect transistor biosensors in impedimetric measurement mode. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 870-876.	0.8	12
88	Investigation of ISFET device parameters to optimize for impedimetric sensing of cellular adhesion. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1395-1403.	0.8	12
89	Handheld readout system for fieldâ€effect transistor biosensor arrays for labelâ€free detection of biomolecules. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1313-1319.	0.8	12
90	The Use of Microelectrode Array (MEA) to Study Rat Peritoneal Mast Cell Activation. Journal of Pharmacological Sciences, 2008, 107, 201-212.	1.1	11

#	Article	IF	Citations
91	Dry Film Resist Laminated Microfluidic System for Electrical Impedance Measurements. Micromachines, 2021, 12, 632.	1.4	11
92	Routine fabrication of reduced graphene oxide microarray devices via all solution processing. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 968-974.	0.8	10
93	Influence of different chemical surface patterns on the dynamic wetting behaviour on flat and silanized silicon wafers during inclining-plate measurements: An experimental investigation with the high-precision drop shape analysis approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 508, 274-285.	2.3	10
94	Waferâ€Scale Nanoimprint Lithography Process Towards Complementary Silicon Nanowire Fieldâ€Effect Transistors for Biosensor Applications. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800234.	0.8	10
95	Reduced graphene oxide micropatterns as an interface for adherent cells. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 975-982.	0.8	9
96	Silicon Nanowire Field-Effect Biosensors. Springer Series on Chemical Sensors and Biosensors, 2018, , 27-57.	0.5	9
97	Comparative cell biological study of in vitro antitumor and antimetastatic activity on melanoma cells of GnRH-III-containing conjugates modified with short-chain fatty acids. Beilstein Journal of Organic Chemistry, 2018, 14, 2495-2509.	1.3	9
98	Microelectrode Combinations of Gold and Polypyrrole Enable Highly Stable Twoâ€electrode Electrochemical Impedance Spectroscopy Measurements under Turbulent Flow Conditions. Electroanalysis, 2021, 33, 197-207.	1.5	9
99	Reduced graphene oxideâ€based sensing platform for electric cellâ€“substrate impedance sensing. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1404-1409.	0.8	8
100	Graphite oxide multilayers for device fabrication: Enzymeâ€based electrical sensing of glucose. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1335-1341.	0.8	7
101	Development and in vitro validation of flexible intraretinal probes. Scientific Reports, 2020, 10, 19836.	1.6	7
102	A Study of the Relationship Between Pharmacologic Preconditioning and Adenosine Triphosphate-Sensitive Potassium (KATP) Channels on Cultured Cardiomyocytes Using the Microelectrode Array. Journal of Cardiovascular Pharmacology, 2010, 56, 60-68.	0.8	6
103	Selective comparison of gelling agents as neural cell culture matrices for long-term microelectrode array electrophysiology. OCL - Oilseeds and Fats, Crops and Lipids, 2016, 23, D117.	0.6	6
104	Searching for a common origin of heat-transfer effects in bio- and chemosensors: A study on thiols as a model system. Sensors and Actuators B: Chemical, 2020, 310, 127627.	4.0	6
105	Realization of a PEDOT:PSS/Graphene Oxide On-Chip Pseudo-Reference Electrode for Integrated ISFETs. Sensors, 2022, 22, 2999.	2.1	6
106	The Use of SU-8 Topographically Guided Microelectrode Array in Measuring Extracellular Field Potential Propagation. Annals of Biomedical Engineering, 2012, 40, 619-627.	1.3	5
107	Graphite oxide electrical sensors are able to distinguish single nucleotide polymorphisms in physiological buffers. FlatChem, 2018, 7, 1-9.	2.8	5
108	The antioxidant Rutin counteracts the pathological impact of Î±-synuclein on the enteric nervous system in vitro. Biological Chemistry, 2022, 403, 103-122.	1.2	5

#	Article	IF	Citations
109	Electronic Detection of Nucleic Acid Molecules with a Field-Effect Transistor. Materials Research Society Symposia Proceedings, 2004, 828, 276.	0.1	4
110	The significance of chloride in the inhibitory action of disodium cromoglycate on immunologically-stimulated rat peritoneal mast cells. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 867-874.	1.1	4
111	Electronic monitoring of single cell-substrate adhesion events with quasi-planar field-effect transistors. Sensors and Actuators B: Chemical, 2015, 210, 776-783.	4.0	4
112	Wafer-scale fabrication of microelectrode arrays on optically transparent polymer foils for the integration of flexible nanoscale devices. Flexible and Printed Electronics, 2018, 3, 044001.	1.5	4
113	Comprehensive Understanding of Silicon-Nanowire Field-Effect Transistor Impedimetric Readout for Biomolecular Sensing. Micromachines, 2021, 12, 39.	1.4	4
114	Nanoplate field-effect capacitive (bio-)chemical sensor array based on SOI structure. Procedia Chemistry, 2009, 1, 670-673.	0.7	3
115	Modulatory action of potassium channel openers on field potential and histamine release from rat peritoneal mast cells. Canadian Journal of Physiology and Pharmacology, 2009, 87, 624-632.	0.7	3
116	A Novel Modular Device for Biological Impedance Measurements: The Differential Impedimetric Sensor Cell (DISC). Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1701029.	0.8	3
117	Interfacing Biology with Electronic Devices. Solid State Phenomena, 2005, 108-109, 789-796.	0.3	2
118	Probing the Adhesion and Viability of Individual Cells with Field-Effect Transistors. , 2007, , .		2
119	The influence of medium conductivity on ECIS measurements with fieldâ€effect transistor arrays. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1260-1265.	0.8	2
120	Decomposition and modeling of signal shapes of single point cardiac monitoring. Current Directions in Biomedical Engineering, 2020, 6, 583-586.	0.2	2
121	Reviewâ€"Human-Body Powered Biosensing Textiles: Body-Power Generating Wearables Based on Textiles for Human Biomonitoring. Journal of the Electrochemical Society, 2022, 169, 067502.	1.3	2
122	Investigation of Extracellular Signal Shapes Recorded by Planar Metal Microelectrodes and Field-Effect Transistors. , 0, , .		1
123	Cell-Transistor Hybrid Systems. , 2006, , 99-113.		1
124	A Semiconductor-based Field-effect Platform for (Bio-)Chemical and Physical sensors: From Capacitive EIS Sensors and LAPS over ISFETs to Nano-scale Devices. Materials Research Society Symposia Proceedings, 2006, 952, 2.	0.1	1
125	Markierungsfreie DNA-Detektion mit Silizium-Feldeffekt-Sensoren â€“ Messeffekte oder Artefakte? (Label-free DNA Detection with Silicon Field-Effect Sensors â€“ Real Effects or Artefacts?). TM Technisches Messen, 2007, 74, 466-474.	0.3	1
126	Bioelectronic Detection Schemes for Biomedical and Environmental Sensing. Advances in Science and Technology, 0, , .	0.2	1

#	Article	IF	Citations
127	CMOS sensor array for bi-directional communication with electrically active cells. , 2009, , .		1
128	Functional peptides for capacitative detection of Ca²⁺ ions. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1030-1037.	0.8	1
129	Nano-fabricated memristive biosensors for biomedical applications with liquid and dried samples. , 2016, 2016, 295-298.		1
130	Transistor-Based Impedimetric Monitoring of Single Cells. Bioanalytical Reviews, 2018, , 77-110.	0.1	1
131	Self-Assembling Flexible 3D-MEAs for Cortical Implants. Current Directions in Biomedical Engineering, 2021, 7, 359-362.	0.2	1
132	Electrical SPR biosensor with thermal annealed graphene oxide: Concept of highly sensitive biomolecule detection. Biosensors and Bioelectronics: X, 2022, 11, 100152.	0.9	1
133	Multi-electrode arrays (meas) with guided network for cell-to-cell communication transduction. , 0, , .		0
134	Towards Label-free Detection of Charged Macromolecules Using Field-effect-based Structures: Scaling Down from Capacitive EIS Sensor over ISFET to Nano-scale Devices. Materials Research Society Symposia Proceedings, 2006, 915, 1.	0.1	0
135	Design and Function Principle of a Large Scale Sensor Array for the Bi-Directional Coupling to Electrogenic Cells. , 2007, , .		0
136	Routine fabrication of reduced graphene oxide microarray devices via all solution processing (Phys.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	0
137	Investigation of ISFET device parameters to optimize for impedimetric sensing of cellular adhesion (Phys. Status Solidi A 6â•2014). Physica Status Solidi (A) Applications and Materials Science, 2014, 211, .	0.8	0
138	Innovative retinal interfaces for optimized artificial visionÂâ€“ a new DFG funded Research Training Group. Neuroforum, 2021, .	0.2	0
139	High-k Dielectric Layers for Bioelectronic Applications. IEICE Transactions on Electronics, 2008, E91-C, 1894-1898.	0.3	0
140	Label-Free, Fully Electronic Detection of DNA with a Field-Effect Transistor Array. Nanostructure Science and Technology, 2009, , 103-129.	0.1	0
141	A study of the relationship between pharmacologic preconditioning and adenosine triphosphate-sensitive potassium (KATP) channels on cultured cardiomyocytes using the microelectrode array. Journal of Cardiovascular Pharmacology, 2010, 56, 60-8.	0.8	0